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SOURCE Kolloidnyy Zhurnal, Vol XI, No 6, 1949.THE SIXTH CONFERENCE ON HIGH MOLECULAR COMPOUNDS

N. Mikhaylov

The Sixth Conference on High Molecular Compounds, held in Leningrad in June 1949, was devoted to the general problems of the physics and chemistry of natural and synthetic polymeric substances. Thirty-two reports were presented on the following four main topics (1) the mechanism and kinetics of the formation of high molecular compounds; (2) physicochemical properties of high molecular compounds and methods of investigating these properties, (3) the structure of the compounds and methods of investigating this structure, and (4) the physics of high molecular substances.

About one third of all the reports presented were concerned with the first topic. Studies in this subdivision were presented by S. S. Medvedev and his collaborators; Kh. S. Bagdosar'yan, P. M. Khomyakovskiy, and others; V. V. Korshak and his collaborators; M. F. Shostakovskiy; S. Ye. Bresler, and others.

Korshak also considered the matter of nomenclature of high molecular compounds and the scientists of the group headed by B. A. Dogadkin reported on work relative to the kinetics and mechanism of rubber.

Reports concerning the second topic were given by N. I. Nikitin, S. N. Ushakov, I. I. Zhukov, P. P. Kobeko, V. I. Ivanov, A. G. Pasynskiy, Z. A. Rogovin, and others.

The structure of high molecular compounds was dealt with in reports presented by V. A. Kargin, B. A. Dogadkin, N. V. Mikhaylov, S. I. Sokolov, G. B. Bartenev, and others.

The last topic was considered by B. V. Deryagin and N. N. Zakhovayeva in presenting the results of a completely new method for the investigation of properties of films of high polymers and their solutions on the surface of metals -- method of blowing off the films.

More than 150 delegates and guests took part in the conference. It was decided to hold the Seventh Conference at the end of 1950.

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